

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A rolling bearing comprising opposing, cooperating curved raceways (2c, 3c) and rolling bodies arranged in between rolling bodies (1) and rolling along the raceways;

strain gauge sensors (4), ~~which are arranged in a groove (5) on at least one of the outer diameter of the outer ring (2) and/or on and the inner diameter of the inner ring (3), characterized in that~~ wherein each of the strain gauge sensors comprises a plurality of adjacent conductor track sections; and the length lengths of two adjacent ones of the conductor track sections of the strain gauge sensor varies differ.

2. (Currently Amended) The rolling bearing ~~comprising a curved raceway as claimed in claim 1, characterized in that~~ wherein the adjacent conductor track sections are so arranged with respect to each other and are of such lengths such that the respective strain gauge sensors (4) are embodied trapezoidally in a plurality of the sensors together define a respective trapezoid in each of the plurality of sensors.

3. (Currently Amended) A rolling bearing comprising curved raceways (2c, 3c) and rolling bodies arranged in between, rolling bodies (1) and rolling along the raceways;

sensors (4), ~~which are arranged in a groove (5) on at least one of the outer diameter of the outer ring (2) or on and the inner diameter of the inner ring, wherein (3), characterized in that the distance between two adjacent sensors (4c, 4d) in the axial direction (6) varies.~~

4. (New) The rolling bearing as claimed in claim 3, further comprising a groove in the outer diameter of the inner ring or the inner diameter of the outer ring and the sensors are in the groove.

5. (New) The rolling bearing as claimed in claim 1, further comprising a groove in the outer diameter of the inner ring or the inner diameter of the outer ring and the sensors are in the groove.